

## ABSTRACT OF THE DISCLOSURE

The present invention relates to a method and apparatus for adaptive data transmission enabling data transmission in a variable transmission rate in a communication system, where a number of users share a transmission medium to transmit data in the variable transmission rate, by using a transmission capacity which is not being currently used even if allocated to some users. According to the invention, the transmission rate variation rates of each of the variable transmission rate data transmission services are controlled within the spirit of current variable transmission rate services so that the data traffic of the existing variable transmission rate transmission services which is actually unable to be forecasted can be forecasted. Therefore, the idle transmission capacity available can be forecasted so that the data can be transmitted by using the idle capacity. In this way, the transmission capacity of the system can be more efficiently used.

10  
15

“Express Mail” mailing label number EL 649 977739US  
Date of Deposit December 11, 2001  
I hereby certify that this paper or fee is being deposited  
with the United States Postal Service “Express Mail Post  
Office to Addressee” service under 37 CFR 1.10 on the  
date indicated above and is addressed to: Commissioner  
of Patents and Trademarks, Washington, D.C. 20231.  
Brant Miles  
(printed name)  
Brant Miles  
(signature)